

EFEK SEDUHAN KETUMPANG AIR (*Peperomia pellucida* (L.) Kunth) TERHADAP KADAR ASAM URAT PADA TIKUS YANG DIINDUKSI JUS HATI AYAM

Muhamad Maulana Yusuf, Saryono, Agis Taufik

ABSTRAK

Latar Belakang: Asam urat adalah produk akhir metabolisme purin dalam tubuh. Ketumpang air (*Peperomia pellucida* (L.) Kunth) mengandung flavonoid yang dapat menekan aktivitas radikal bebas dalam tubuh. Sehingga, peneliti meneliti apakah terdapat pengaruh ketumpang air terhadap kadar asam urat pada tikus.

Tujuan: Penelitian ini bertujuan untuk mengetahui efek seduhan ketumpang air (*Peperomia pellucida* (L.) Kunth) terhadap kadar asam urat pada tikus yang diinduksi jus hati ayam.

Metode: Penelitian ini menggunakan metode studi eksperimental murni dengan desain *pre-post test* sebanyak 36 ekor tikus. Tikus dikelompokkan menjadi 6 kelompok yaitu kontrol sehat (A), kontrol negatif (B), ketumpang air 30mg/200gramBB (C), ketumpang air 60mg/200gramBB (D), ketumpang air 120mg/200gramBB (E), dan allopurinol 2mg/200gramBB (F). Pemberian seduhan ketumpang air dilakukan selama 14 hari. Analisa data menggunakan *One Way Anova*.

Hasil: Hasil penelitian didapatkan bahwa tidak ada perbedaan signifikan pemberian seduhan ketumpang air terhadap kadar asam urat ($p=0.128$). Nilai selisih kadar asam urat paling tinggi pada kelompok 30mg/200gramBB dan paling rendah pada kelompok negatif.

Kesimpulan: Seduhan ketumpang air tidak dapat menurunkan kadar asam urat dalam darah.

Kata Kunci: asam urat, hiperurisemia, ketumpang air, jus hati ayam.

THE EFFECT OF STEEPING KETUMPANG AIR (*Peperomia pellucida* (L.) Kunth) ON URIC ACID LEVELS IN INDUCED RATS OF CHICKEN HEART

Muhamad Maulana Yusuf, Saryono, Agis Taufik

ABSTRACT

Background: Uric acid is the final product of purine metabolism in the body. Overlapping water (*Peperomia pellucida* (L.) Kunth) contains flavonoids which can suppress free radical activity in the body. So, the researchers examined whether there was an effect of overlapping water on uric acid levels in mice.

Objective: The aim of this study is to know the effect of steeping over water (*Peperomia pellucida* (L.) Kunth) on uric acid levels in mice induced by chicken liver juice.

Method: This study used an experimental study method purely with a pre-post test design of 36 rats. Rats were grouped into 6 groups: healthy control (A), negative control (B), overlapping water 30mg / 200gramBB (C), over water 60mg / 200gramBB (D), overlapping water 120mg / 200gramBB (E), and allopurinol 2mg / 200gramBB (F). Providing steaks over the water is done for 14 days. Data analysis using One Way Anova.

Results: The results of the study showed that there was no significant difference in steeping over water to uric acid levels ($p = 0.128$). The difference in uric acid levels was highest in the 30mg / 200gramBB group and the lowest in the negative group.

Conclusion: Steeping over water cannot reduce uric acid levels in the blood.

Keywords: gout, hyperuricemia, overlapping water, chicken liver juice.